


Front cover image: **Heterogeneity of adipocyte phenotypes.** Subcutaneous adipocytes were isolated from mouse and triple labeled for medium chain acyl-CoA dehydrogenase (green), fatty acid synthase (red) and DNA (blue). Cells were imaged by fluorescence confocal microscopy. The micrograph illustrates heterogeneity of expression among subcutaneous cells having unilocular and multilocular morphology.

Credit: Dr. Yun-Hee Lee and Dr. Jim Granneman, Wayne State University, Department of Pathology

Publication information: *Biochimica et Biophysica Acta (Molecular Basis of Disease)* (ISSN 0925-4439). For 2014, Volume 1842 (12 issues) is scheduled for publication. Subscription prices are available upon request from the Publisher or from the Elsevier Customer Service Department nearest you, or from this journal's website (<http://www.elsevier.com/locate/bbadis>). Further information is available on this journal and other Elsevier products through Elsevier's website (<http://www.elsevier.com>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch. **Orders, claims, and journal enquiries:** please contact the Elsevier Customer Service Department nearest you: **St. Louis:** Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (877) 8397126 (toll free within the USA); (+1) (314) 4478878 (outside the USA); fax: (+1) (314) 4478077; e-mail: JournalCustomerService-usa@elsevier.com **Oxford:** Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax: (+44) (1865) 843970; e-mail: JournalsCustomerServiceEMEA@elsevier.com **Tokyo:** Elsevier Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalsCustomerServiceJapan@elsevier.com **Singapore:** Elsevier Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: JournalsCustomerServiceAPAC@elsevier.com **Author enquiries:** For enquiries relating to the submission of articles (including electronic submission) please visit this journal's homepage at <http://www.elsevier.com/locate/bbadis>. For detailed instructions on the preparation of electronic artwork, please visit <http://www.elsevier.com/artworkinstructions>. Contact details for questions arising after acceptance of an article, especially those relating to proofs, will be provided by the publisher. You can track accepted articles at <http://www.elsevier.com/trackarticle>. You can also check our Author FAQs at <http://www.elsevier.com/authorFAQ> and/or contact Customer Support via <http://support.elsevier.com/>. **Advertising information:** If you are interested in advertising or other commercial opportunities please e-mail Commercialsales@elsevier.com and your enquiry will be passed to the correct person who will respond to you within 48 hours.

Printed by Polestar Wheatons Ltd., Exeter, United Kingdom

 The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

MOLECULAR BASIS OF DISEASE

Executive Editors: Jeffrey N. Keller (*Baton Rouge, LA, USA*)
Ronald P. Oude Elferink (*Amsterdam, The Netherlands*)

Section Editors:

Valerie Askanas (*Los Angeles, CA, USA*)
Allan Butterfield (*Lexington, KY, USA*)
Angus G. Dalgleish (*London, UK*)
Rafael de Cabo (*Baltimore, MD, USA*)
Jason R.B. Dyck (*Edmonton, Alberta, Canada*)
Maria Figueiredo-Pereira (*New York, NY, USA*)
Marten Hofker (*Groningen, Netherlands*)
Nancy Y-Y. Ip (*Kowloon, Hongkong*)
Takeshi Iwatsubo (*Bunkyo-Ku, Japan*)
Valter D. Longo (*Los Angeles, CA, USA*)
Paula I. Moreira (*Coimbra, Portugal*)
Antonio Moschetta (*Santa Maria Imbaro, Italy*)
Paul Murphy (*Lexington, Kentucky, USA*)

Ram Nagaraj (*Cleveland, OH, USA*)
Athanasios Papavassiliou (*Athens, Greece*)
Hemachandra Reddy (*Beaverton, OR, USA*)
Holly Van Remmen (*San Antonio, TX, USA*)
Jun Ren (*Laramie, WY, USA*)
Jacqueline M. Stephens (*Baton Rouge, LA, USA*)
Russell H. Swerdlow (*Kansas City, KS, USA*)
Ronald J.A. Wanders (*Amsterdam, The Netherlands*)
Patricia D. Wilson (*London, UK*)
Massimo Zeviani (*Milano, Italy*)
Zhouhua Zhang (*Changsha, China*)
Xiongwei Zhu (*Cleveland, OH, USA*)

Keywords that indicate the expertise of each Editor can be found on the journal homepage at <http://www.elsevier.com/locate/bbadis>

Scientific Editors (*Elsevier, Cambridge, MA, USA*):

Shawanna Buttery
Claudia Montefusco
Laura Wallins
Denise M. Wells (Manager)



ELSEVIER

Amsterdam – Boston – London – New York – Oxford – Paris – Philadelphia – San Diego – St. Louis